NASA Digital Learning Network Catalog of Events

To register while our website in down, please contact the appropriate coordinator for the center that hosts that event. The list of coordinators for each center is on the final page.
Thank you.

America's Spaceport: John F. Kennedy Space Center
Grade Levels: 5-8,9-12
Hosting Center: Kennedy

John F. Kennedy Space Center has launched ALL U.S. Human Spaceflight Missions. Preparing a vehicle to liftoff into space requires a special location, massive facilities, unique equipment and tools, ...

Apollo Revisited
Grade Levels: K-12
Hosting Center: Glenn

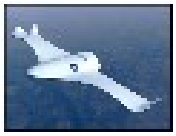
As NASA seeks to return to the Moon in 2018, what are the lessons learned from the Apollo Program that need to be considered and what questions were left unanswered? This module looks in-depth at the ...

Asteroids
Grade Levels: K-4,5-8,9-12
Hosting Center: Glenn

Asteroids present a beautiful, ancient, and potentially Earth-damaging element to our Solar System. Many formed during the beginnings of our Solar System, 4.5 billion years ago, and some of them ha ...

Astronomy: Bringing the Past to Light
Grade Levels: 5-8
Hosting Center: Goddard

Join us as we explore the history of telescopes from the early Galilean refractor to the future generation of NASA's space-based telescopes, with a special focus on the Hubble Space Telescope. Stu ...



Can a Shoebox Fly Challenge
Grade Levels: 5-8,9-12
Hosting Center: Stennis (East Coast), Johnson (Central), Ames (West Coast)

Join NASA in this unique design challenge in which your students will apply theoretical knowledge with design limitations to produce a working glider model. Students will ex ...

Career Exploration (for NASA Explorer Schools)
Grade Levels: 4,5,6,7,8,9
Hosting Center: All centers can host this event.

Students meet, interview, and learn about their NASA partner's career.

Daring Women in Aviation
Grade Levels: 5-8,9-12
Hosting Center: Goddard (East Coast); Dryden (West Coast)

Since the earliest days of flight, women have played a major role in the history of aviation. From Harriet Quimby and Katherine Stinson who's flying careers began just after the Wright brothers' first ...

Directive: Mapping the Moon with WALL-E
Grade Levels: K-4,5-8
Hosting Center: Goddard, Kennedy, Glenn (East Coast) Johnson (Central)

DUE TO THE POPULARITY OF THIS EVENT AND TO BE FAIR TO ALL SUBMITTING REQUESTS, WE WILL ONLY ACCEPT THREE REQUESTS PER SCHOOL PER MONTH FOR WALL-E. PLEASE EMAIL U ...

Discover NASA and You
Grade Levels: 5-8,9-12,4
Hosting Center: Johnson

Through the use of pictures, narratives, animations, historical evidence, thought provoking scenarios, and questions & answers, this program will heighten students' interest in NASA while focus ...

DLN Overview & Program Showcase
Grade Levels: K-12
Hosting Center: All centers can host this event.

NASA's Digital Learning Network opens doors for interaction between NASA experts and students. We are pleased to offer a unique selection of learning events and challenges. Primarily a videoconfere ...

Flight in Earth's Skies
Grade Levels: K-4,5-8,9-12
Hosting Center: Glenn

Every part on an airplane is there for a reason. As a pilot you must be able to control your machine in the air in three dimensions. This event will help you see what each of these parts do, how th ...

Galileo: Origins of Science
Grade Levels: 5,6,7,8,9,10,11,12
Hosting Center: Glenn

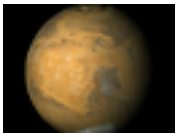
Students are taught Galileo's law of falling objects; that all objects fall at the same rate in a vacuum. This is difficult to demonstrate in class because vacuums are hard to produce. Students wil ...

HAM It Up: Amateur Radio
Grade Levels: K-4,5-8,9-12
Hosting Center: Johnson

You see it on television: NASA officials contact astronauts on the Space Station through radio hookups. There's another way to keep in touch with crewmembers, thou ...

Humans in Space
Grade Levels: K-4,5-8,9-12
Hosting Center: Glenn (East Coast) Stennis (Central), Ames (West Coast)

This event focuses on the living environment in space. Participants of this event learn what it is like to live and work in space. Physiological, physical, and mental challenges are presented and part ...



Humans to Mars
Grade Levels: 5-8,9-12,Post Secondary
Hosting Center: Glenn

The videoconferencing event is an overview of NASA's current and future plans to send humans to the planet Mars. It's aim is to correct misconceptions that most students have concerning a mission t ...

Introduction to Robotics in the Classroom
Grade Levels: 5-8
Hosting Center: Goddard (East Coast), Ames (West Coast)

Come see the future of robotics! Discover how NASA is currently using robots and what is in development for upcoming missions. Compare your vision of robotics with NASA's vision. You will learn ...

LineUp With Math - Proportional Reasoning & Distance-Rate-Time Relationships in Air Traffic Control
Grade Levels: 5-8
Hosting Center: Stennis (East Coast) Ames (West Coast)

Learn how your students can use a free web-based simulator and apply mathematics to explore and solve real-world problems in air traffic control. This professional development event will teach you how ...

Living and Working in Space: NASA's Return to the Moon
Grade Levels: K-12
Hosting Center: Marshall, Stennis

Topics include:

- Distance to the Moon
- Physics of Rocketry
- Micrometeoroids and Space Debris
- What is a Space Station?
- General concerns with Living and Working ...

Lunar Nautics: Exciting Exploration for Exceptional Students
Grade Levels: 5-8,9-12
Hosting Center: Marshall

This Event is a Special Event Webcast: October 27, 2008 @ 3:00 pm (Central)
The Lunar Nautics Educator Guide has 40 activities. Students assume roles of workers at Lunar Nautics Space ...

Mars Geology - History Uncovered
Grade Levels: 5-8,9-12
Hosting Center: Ames

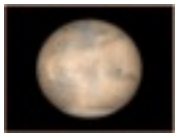
Students will be guided through an inquiry-based, critical thinking approach of studying the surface of Mars in a similar way scientists study the surface of Earth. Students will learn to identify and ...

Mission Geography
Grade Levels: 4,5,6,7,8
Hosting Center: Stennis

Mission Geography is a wonderful activity that can be completed after focusing on any Earth and Space Science unit (hurricanes, volcanoes, earthquakes, etc). It also works well as an extension to a ...

Mission Patch Design
Grade Levels: 3,4,5,6
Hosting Center: Stennis

For every space flight, the astronaut crew designs their own mission patch. Included in the patch design are various elements describing the different phases of that particular mission? The names o ...



Mission to Mars Challenge
Grade Levels: 5-8,9-12
Hosting Center: Johnson

Join NASA in this unique design challenge where students design their very own Crew Exploration Vehicle or pinpoint the safest and best location for a Mars landing. They will have the opportu ...

Mission to Mars Expedition
Grade Levels: 5-8,9-12
Hosting Center: Johnson

Travel to the Red Planet and discover what it takes to land robotic missions on the uninviting terrain of the Martian soil. Be aware of intense dust storms, huge craters, ...

Modeling Matters Part Four: Assessing Inquiry
Grade Levels: K-4,5-8,9-12
Hosting Center: Langley, Stennis

How do I assess inquiry learning in my classroom?

Exploratorium Institute for Inquiry (1996) developed the following definition: “Inquiry is an approa ...

Modeling Matters Part Three: Inquiry in Other Content Areas
Grade Levels: K-4,5-8,9-12
Hosting Center: Langley, Stennis

Is inquiry theory appropriate for more than science?

Exploratorium Institute for Inquiry (1996) developed the following definition: “Inquiry is an appr ...

Modeling Matters Part Two: The Levels of Inquiry
Grade Levels: Post Secondary
Hosting Center: Langley, Stennis

I'm hooked on inquiry - how do I make my traditional lessons move in to the inquiry format?

Exploratorium Institute for Inquiry (1996) developed the followin ...

Modeling Matters: What is Inquiry?
Grade Levels: K-4,5-8,9-12
Hosting Center: Langley, Stennis

How do we help our children understand their world?
Exploratorium Institute for Inquiry (1996) developed the fol ...

Moon Math
Grade Levels: 5-8
Hosting Center: Goddard (East Coast), Dryden (West Coast)

Can you land a spacecraft in the crater of a Moon? Does the distance between the Moon and Earth change during a lunar cycle? These questions and more can be answered by making simple measureme ...

NASA Careers
Grade Levels: 5-8
Hosting Center: Marshall

It is wonderful to read about different careers at NASA. But what if you could talk to a person who actually works at NASA? That is exactly what the students participating in this videoconference ge ...

NASA eEducation Product Showcase Series: Hubble Space Telescope
Grade Levels: Post Secondary,K-12
Hosting Center: Langley

NASA education is excited to offer to all educators a series of professional development events that include introductions, demonstrations, and information

NASA Engineering Design Challenge: Lunar Plant Growth Chamber
Grade Levels: K-4,5-8,9-12
Hosting Center: Marshall

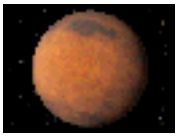
This professional development module provides an overview of the Lunar Plant Growth Chamber Design Challenge.

Presentation includes:

Information and update on STS-118 Education W ...

New Rocket Educator Guide
Grade Levels: 5-8
Hosting Center: Johnson

Look into NASA's rockets, from the height of the Space Shuttle program to NASA's Constellation Program and NASA's 21st Century Space Exploration Policy. ...



Next Step Mars
Grade Levels: 3,4,5,6
Hosting Center: Langley, Kennedy

Imagine a volcano that is three times higher than Mount Everest and covers an area the size of Arizona. This volcano is on the planet Mars. What else is unique about this planet? During this event, ...

Our Magnificent Sun
Grade Levels: K-4
Hosting Center: Goddard, Kennedy, Langley (East Coast), Dryden (West Coast)

What is the Sun? What are sunspots? Science begins with questions and young children have many. This program, specially designed for a kindergarten through second grade audience, ...

Our Planet Earth
Grade Levels: K-4,5-8
Hosting Center: Glenn

In this videoconference you will learn about the earth with all its varied environments, how its systems interact, and how we gather and use information about the earth from NASA satellites. What if w ...

Our Solar Neighborhood
Grade Levels: 2,3,4
Hosting Center: Johnson

During this event, students will exchange information about our distinctive planets orbiting one massive star, our Sun. They will learn about current NASA missions and how we use the information gathe ...

Planet Hopping: Exploring the Solar System with Mathematics
Grade Levels: 3,4,5,6,7,8
Hosting Center: Langley (East Coast), Ames, Dryden (West Coast)

How high can you jump on Mars? Which planet has the most moons? Find out the answers to these questions and many more as you tour the solar system with NASA. In this highly interactive session student ...

Ratios and Proportions
Grade Levels: 5-8,9-12
Hosting Center: Glenn

The program focuses on how ratios relate two quantities, how their size has meaning, and how they are important at NASA.

Aeronautical engineers use ratios and proportions every day. The very ...

Reduced Gravity: Effects on the Human Body
Grade Levels: 4,5,6,7,8,9
Hosting Center: Johnson

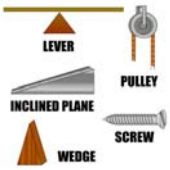
Long-term exposure to a reduced gravity environment can affect the human body. During the event, students will develop an understanding of reduced gravity environments and why research and counterm ...

Return to the Moon Challenge
Grade Levels: 5-8,9-12
Hosting Center: Johnson

Join NASA as we look back at America's national effort to land a man on the Moon. From this historical reference point, you will be given a Challenge to desi ...

Rocket Science
Grade Levels: 5-8,9-12
Hosting Center: Glenn

Rocket Science draws on math and science principles to explain to students how rockets operate. Emphasis is placed on Newton?s Laws of Motion and the forces on a rocket as well as such ideas as ce ...



Simple Machines
Grade Levels: 5,6,7,8,9,10,11,12
Hosting Center: Glenn

Simple machines have been used for thousands of years and yet are still the basis for our modern complex machines. Simple machines are devices that are generally used to multiply force at the expense ...

Solar Energy: Its Importance to Earth and Space Exploration
Grade Levels: K-12
Hosting Center: Johnson

Travel through time as we see how solar energy was used in the past, how it is used today, and how it can be used in the future. Learn about the various form ...

Spacebots
Grade Levels: K-4,5-8,9-12
Hosting Center: Johnson

During this event, students will learn how NASA uses robotics technology to a great extent in its exploration of space. Participants will learn how NASA defines robotics, see how robot ...

States of Matter: Solids, Liquids, Gases, & Beyond
Grade Levels: 5-8,9-12
Hosting Center: Kennedy

NASA scientists and engineers utilize the basic principals of the states of matter on a daily basis. The states and properties of matter are very important to the design and construction of NASA.

Suits: Step into the Void
Grade Levels: 5-8,9-12
Hosting Center: Johnson

This program is intended to be an all encompassing lesson on space suits with special attention paid to extravehicular activities.

The Moon
Grade Levels: K-4,5-8,9-12
Hosting Center: Johnson

What is it like to be on the Moon? How has the information gained from the historic Apollo missions as well as recent satellite mapping changed our views of our nearest neighbor in space?

The Scientific Method: An investigation of impact craters
Grade Levels: 4,5,6
Hosting Center: Goddard

This very interactive event provides students with an opportunity to apply their knowledge of the scientific method. They will investigate the factors that determine the appearance of impact craters.

The Solar System and Beyond
Grade Levels: K-4,5-8,9-12
Hosting Center: Glenn

What can you learn about objects in our solar system from watching the night sky, either with your own eyes or with a telescope? What do spacecraft tell us about worlds that are millions of miles away.

The Space Shuttle
Grade Levels: K-4,5-8,9-12
Hosting Center: Glenn, Kennedy

For the last thirty years, the only American spacecraft for carrying humans into orbit has been the Space Transport System (STS) commonly called the Space Shuttle.

Toys in Space Investigation
Grade Levels: 5-8
Hosting Center: Marshall

Students connect with NASA and watch the results of the toys in space. In the process of learning about the results the videoconference identifies how exploration and science benefit Earth.

Traveling Back To the Moon with NASA Digital Learning Network
Grade Levels: 6,7,8,9
Hosting Center: Langley

America will send a new generation of explorers to the moon aboard NASA's Orion crew exploration vehicle. Orion is part of the Constellation Program designed to send human explorers back to the moo ...

Videoconferencing FUNdamentals (EDUCATORS)
Grade Levels: 5-8,9-12
Hosting Center: All centers can host this event.

This session covers the technical aspects of setting up and operating a videoconferencing system.

Contact list for NASA DLN Coordinators

Please email one of us to schedule an event. Please DO NOT email a request to the entire list as that will cause multiple events to be registered.

Ames Research Center – Greg Pitzer - Gregory.E.Pitzer@nasa.gov

Dryden Flight Research Center – David Alexander - david.e.alexander@nasa.gov

Glenn Research Center – Dave Mazza - David.A.Mazza@nasa.gov

Goddard Space Flight Center – Shane Keating - shane.keating@nasa.gov

Johnson Space Center – Julie Mules - jsc-dislearn@mail.nasa.gov

Kennedy Space Center – Damon Talley - Damon.B.Talley@nasa.gov

Langley Research Center – Karen Ricks - Karen.Ricks@NASA.gov

Marshall Space Flight Center – Scott Anderson - scott.c.anderson@nasa.gov

Stennis Space Center – Kelly Witherspoon - t.k.witherspoon@nasa.gov